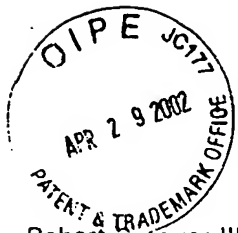


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**GROOVER & ASSOCIATES**

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Robert Groover III, Reg'd Patent Atty.

#1  
TO:  
DRAW  
A.  
AUG 8

April 15, 2002, via Express Mail

Commissioner of Patents  
Box **PATENT APPLICATION**  
Washington DC 20231  
Re: Patent Application **10/035,350** of  
**Halliburton Energy Services, Inc.** filed  
10/ 26/ 2001  
Inventorship: **Schultz et al.**  
(Roger L. Schultz, Orlando De Jesus,  
Andrew J. Osborne, Jr.)  
Title: **Mean Strain Ratio Analysis**  
**Method and System for Detecting Drill Bit Failure and Signaling Surface Operator**  
(Docket No. SC-00-12)

I certify that this correspondence, including the attachments listed, is being deposited with the United States Postal Service, Express Mail - Post Office to Addressee service, receipt No. EL914142649115 in an envelope addressed to Commissioner of Patents and Trademarks, Washington DC 20231, on the date shown below.

4/15/02 [Signature]  
Date of Mailing Signature

Honorable Commissioner:

Enclosed are a signed original Declaration and Power of Attorney, an executed Assignment (with Form PTO-1595 cover sheet); and formal drawings.

These papers are being filed in response to a **Notice of Missing Parts** mailed 02/ 13/ 2002 (copy attached). Any extension of time necessary for the consideration of these papers is hereby respectfully requested. Also enclosed is a check for the filing fee plus surcharge. (Please charge any additional fee needed to complete filing, or credit any overpayment to Deposit Account No. 07-2320.) The correct amount of fee is believed to be as follows (but in any case the Commissioner is requested to grant any extension necessary to prevent abandonment).

FEE CALCULATION - LARGE ENTITY			
Basic Filing Fee			\$740
Independent Claims:	11 - 3 =	8 @\$84 =	\$672
Total Claim Fee:	21 - 20 =	1 @\$18 =	\$18
Fee for Filing Missing Parts:			\$130
Recordation of Assignment:			40
<b>TOTAL FEE:</b>			<b>\$1600</b>

BEST AVAILABLE COPY

Repln. Ref: 05/02/2002 BNGUYEN1 0017233800  
DAH:072320 Name/Number:10035350  
FC: 704 \$55.00 CR

Respectfully submitted,

[Signature]

Robert Groover, Registration No. 30,059